Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Algebra 2 3D Learning Deliverables

Objectives

-You will learn more about how math is actually used in the workforce.

-Use various forms of data to practice the skill used to analyze your social concern.

-See yourself as a capable college student

Directions

1. Each deliverable will require that you show evidence of completion (details will be specified for each).
   1. Be sure that the emails have the correct email title to ensure that you get credit for your work.
   2. Email to cperez@p12fwps.org
2. Each of these deliverables may be done on any of the 3D Learning days.
3. You are strongly encouraged to execute some of the math deliverables while on location of the deliverables in another class; or vice-versa.
4. You must make a detailed plan to execute each of these deliverables by Friday 2/14.
5. You must get parent authorization by Friday 2/21.
6. All emails must be received by Friday March 7th & this sheet must be turned in on March 7th also.

Checklist

\_\_\_ *Email title: Social Concern,* Function Practice Interview several people for data/ polls regarding your social concern. Use this data to practice creating a piecewise function that follows the data curve using a cubic function. Email the final copy.

\_\_\_ *Email title: Exploring Calculus*. Find a Multivariable Calculus book, at a university library and take a picture of three example where the work is being solved by a step/process that you know and are able to do. Send the pictures in ONE email.

\_\_\_ *Email title: Math Story*. Interview 3 different job types and ask them to reflect on their math “relationship.” What experiences (at what age) led them to how they feel about being capable of math? In an email, send the transcript for each interview and synthesize your findings into one paragraph that makes a connection between the three stories and your math story.

\_\_\_ *Email title: Math in the Workplace.* Interview three different people using math (in different ways: money, physics...etc.) in their job. Ask them: what were your education experiences to prepare you for the type of math that you use? Has your math ability ever limited opportunities for you? Would you do anything differently in your past to better prepare you in math? Email a transcript of your interviews and write one paragraph that explains how your own math ability has the potential to open doors for you/close doors.

\_\_\_ *Email title: Directions.* Record the bus route or driving directions you used to go to a location, then use linear functions to make a piecewise function to model the route you took. Email the route and the final piecewise function created.

By signing below, you verify that each of these deliverables was completed to the best of your ability (with complete sentences when necessary), all of the work submitted was your own, and you followed your 3D learning individualized plan to the best of your ability.

Student Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_